

CURRICULUM VITAE

Name Gordon Thomas **Wilkinson**
Personal Married.
Address 1/26 Park Street, Hyde Park, SA. 5061
Phone h. +618 8272 9839, m. +614 1361 4644
E-mail neredon@ozemail.com.au
Born Gillingham, Kent, England, 12 June, 1940
Nationality British/Australian
URL www.ozemail.com.au/~neredon



Current Appointments

- Consultant.
- Adjunct Senior Research Fellow, School of Pharmaceutical, Molecular and Biomedical Sciences, University of South Australia.
- External Lecturer, Department of Chemical Engineering, University of Adelaide.

Education

- PhD (Chemical Engineering), University of New South Wales, NSW, Australia. 1967.
- BE (Chemical), Honours, University of Melbourne, Victoria, Australia. 1963.
- Matriculation Certificate, Melbourne Boys High School, Forrest Hill, South Yarra, Victoria. 1957.

Awards and Honours

- Entry in: "Who's Who in Science and Engineering", Marquis, NJ, 6th - 7th ed, 2002-2004.
- Entry in: "Dictionary of International Biography", IBC, Camb., 26th - 30th ed., 1998-2003.
- Entry in: "Who's Who in Finance and Industry", Marquis, NJ, 15th - 20th ed., 1998-2003.
- Entry in "Who's Who in Australasia and the Pacific Nations", IBC, Camb, 3rd - 6th ed., 1997-2003.
- Entry in: "Who's Who in the World", Marquis, NJ, 13th - 21st ed., p 1444, 1996-2003.
- Paul Harris Fellow, Community Service Award, Rotary International. 1995.
- Commonwealth Scholarship, Australian Government, 1958-62
- Senior Scholarship, Government of Victoria, 1958-62.
- General Exhibition, Matriculation Examination, University of Melbourne, Australia. 1957.

Employment

- External Lecturer, University of Adelaide, 1998- current.
- Consultant and Adjunct Senior Research Fellow, University of South Australia. 1997- current
- Principal Lecturer, University of South Australia. 1990-96
- Senior Lecturer, South Australia Institute of Technology (now University of South Australia). 1975-89
- Lecturer, South Australia Institute of Technology, (now University of South Australia). 1970-74
- Research Metallurgist, Mt. Lyell Mining and Railway Co. Ltd. 1968-69
- Senior Research Officer, Mt. Lyell Mining and Railway Co. Ltd. 1967
- Project Engineer, Mt. Lyell Mining and Railway Co. Ltd. 1967
- Teaching Fellow, University of New South Wales. 1963-66

International Collaboration

- Singapore - Lynwood Engineers and Consultants; and Singapore Polytechnic.
- New Zealand – Industrial Research Ltd, Lower Hutt.
- Korea - Pukyong National University, Pusan; and Korea Institute of Science and Technology, Seoul.
- Japan – Kumamoto University, Kumamoto; and Tohoku University, Sendai.
- Netherlands – TU Delft, Delft; TU Twente, Enschede; and Agricultural University, Wageningen.

- Canada – McMaster University, Ontario.
- Switzerland – Givaudan-Roure, Dubendorf.
- Bulgaria – University of Sofia, Sofia.
- Hungary – Technical University of Hungary, Budapest.

International and National Reviewer Activities

- Editorial Advisory Board - *International Journal of Safety* - Korean Institute of Industrial Safety
- Journal reviewer – *Industrial and Engineering Chemistry- Research and Development*, American Chemical Society.
- Journal reviewer – *Journal of Chemical and Engineering Data*, American Chemical Society.
- Journal reviewer – *Journal of Supercritical Fluids*, Elsevier.
- Journal reviewer – *Separation Science and Technology*, Marcel Dekker Inc.
- Examiner, Higher Degrees – University of New South Wales, University of Melbourne, University of South Australia, Victoria University of Technology, University Technikon Pretoria, South Africa.

Academic Leadership

- Heads the Supercritical Fluids Research Group at the University of South Australia
- Consultant in Occupational Health and Safety - Fire and Explosion
- Consultant in Chemical Engineering – Heat Transfer, Supercritical Fluid Technology, Essential Oils Extraction, Wastewater Treatment.

Other Experience

- By invitation, presenter (with G. Dougherty, SAMFS) seminar, "Causes and Prevention of Industrial Fire and Explosion", 2 days, Singapore Polytechnic, Continuing Education Centre, May 2000 and April 2002.
- Senior Exchange Fellow, Australian Academy of Science (AAS) and Japan Society for the Promotion of Science (JSPS), Kumamoto University, Japan. (Sep-Oct '98).
- Visiting Professor, Pukyong National University, Pusan, Korea. (Sep '96 - Feb '97)
- Invited Delegate, Australian Essential Oil industry "Future Directions" Workshop, 14-15 June, 1995, Hobart, Tasmania, RIRDC.
- Visiting Senior Scholar, Industrial Research Ltd, Lower Hutt, New Zealand. (Jan-Feb '94)
- Visiting Professor, Twente University of Technology and Delft University of Technology, Netherlands. (Jan-Jul '92)
- Visiting Research Fellow, University of New South Wales, Australia (Jun-Aug '85, Sep-Dec '86)
- Visiting Professor, McMaster University, Canada. (Dec '78-Aug '79)
- Technical Officer, Shell Refining, Geelong, Australia. (Dec '61-Mar '62)
- Trainee Engineer, ICI Research Laboratories, Victoria, Australia. (Feb '60-Feb '61)

Other Studies

- Student Assessment Workshop, HERDA. (1 d., 1988)
- Occupational Health and Safety, South Australian Department of the Environment. (1 d., 1986)
- HPLC Workshop, Waters Assoc. (2 d., 1982)
- Real Time Computer Systems, Digital Equipment Co. (5 d., 1976)
- Management Training Course, Mt. Lyell Mining and Railway Co. Ltd. (1968-69)

Funded Competitive Research Grants (Since 1985).

- Facility for the Analysis of Flavours and Aromas in Plants and Beverages, ARC infrastructure - with UniSA, UniAdel, SARDI, AWRI, CSIRO and industry - (shared) \$637,000.
- High Pressure Interfacial Tension Measurement, UniSA \$10,000.
- Essential Oil Extraction and Refining, RIRDC, \$29,300, Other \$5,500.
- High Pressure Phase Equilibrium Studies, TU Delft \$10,000, UniSA \$3,200.

- Mass Transfer in Supercritical Fluid Extraction Columns, DEET-TIL \$90,000, UniSA \$12,500.
- Flavour Enhancement of Reduced Alcohol Wine with Carbon Dioxide Extracts, CSIRO-University of South Australia \$22,600.
- Particle Size Measurement Instrument Development, ICI Instruments Ltd. \$50,000.
- Processing of Indigenous Hydrocarbon Producing Plants into Alternative Liquid Fuels, Shell \$15,000, SENRAC (shared) \$82,410.
- Infra-Red Characteristics of Rocket Exhaust Plumes. DSTO Research Contract, \$74,900.
- Condensation Heat Transfer on Profiled Tubes. SAIT \$2,300.

Research Interests

- Supercritical Fluid Technology
- Fluid Phase Equilibrium Thermodynamics (especially high pressure)
- Heat Transfer and Fluid Flow in Particulate Systems
- Combustion Processes and Fire Safety
- Essential Oils Extraction
- Chemical Process Design

Registrations and Membership in Professional Associations

- Chartered Engineer (UK) (C. Eng.)
- Chartered Professional Chemist (Aust) (CPC)
- Registered Chemical Engineer (Aust) (C. Eng)
- National Professional Engineers Register (NPER), Australia, Registration No. 2078741.
- Fellow, Institution of Chemical Engineers. (FIChemE)
- Fellow, Royal Australian Chemical Institute. (FRACI)

Professional Society Activities (since 1980)

- Board Member, Australian and New Zealand Federation of Chemical Engineers, Joint RACI/IChemE/IEAust/IPENZ, (1997-8)
- Member, Executive Council, Royal Australian Chemical Institute, (1996-8)
- Member, Full Council, Royal Australian Chemical Institute, (1995-8)
- Member, Standards Association of Australia, Technical Committee - Aerosol Containers. (1996-)
- Member, Senior Office Bearers Committee - Joint IEAust/RACI/IChemE, (1995-8)
- Member, Organising Committee, RACI 10th National Convention, Adelaide. (1994-95)
- Member Chemeca95 Organising Committee, IChemE/RACI/IEAust, (1993-95).
- Convenor Inaugural Chemical Technology-Bucket Chemistry Competition, RACI/IChemE (1993 -97)
- Chairman, South Australia Industrial Chemistry Group, RACI (1992-94)
- Chairman, Industrial Chemistry Division RACI, (1995-8), Secretary, (1993-95), Treas., (1987-93)
- Secretary, Chemeca86 Organising Committee, Joint RACI/IChemE/IEAust, (1983-86), Committee Member (1984-89)
- Chairman, Joint Chemeca Standing Committee, Joint IChemE/IEAust/RACI (1988-89)
- Chairman, South Australia Joint Chemical Engineering Committee. (1983-84, 1992-94).
- Member, National Joint Standing Committee on Continuing Education, (IChemE./IEAust.) (1983-86).
- Chairman, South Australia Group, IChemE. (1982-3); Sec., (1974-77).
- Member, South Australia Branch Committee, RACI (1980-82).
- Member, Australian National Committee, IChemE, (1974-77, 1982-83).
- Member, Nominations Committee Australia, IChemE. (1974-86).

University Committees (since 1986)

- Faculty Information Technology Committee, (1995-6)
 - Faculty, Quality in Teaching and Learning, Course Review Committee, (1994-6)
 - Computer Graphics Committee, (1987-91)
 - Study Programme Committee, (1983-91), Acting Chairman (1991).
 - Academic Board (1983-7).
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Publications and Reports

Refereed Journal Articles

1. Chun B. S. and **Wilkinson G. T.**, "Mass Transfer of Lysozyme across a Flat Surface with Reverse Micelles", *Sep. Sci. Tech.*, 37(14), 3323-3334 (2002).
2. Chun B. S., Kang S. K., **Wilkinson G. T.**, "Extraction of Lipids and Cholesterol from Squid with Supercritical Carbon Dioxide and Ethanol", *J. Supercrit. Fluids*, (accepted).
3. Chun B. S., **Wilkinson G. T.**, "Drop Size and Hold-up in Countercurrent Extraction with Supercritical CO₂ in a Spray Column", *Ind. Eng. Chem. Res.*, vol 39, issue 83, Dec, 2000.
4. Chun B-S, and **Wilkinson G.T.**, "Ternary Phase Equilibria of the Iso-Propanol+Water+Carbon Dioxide System at High Pressure" *Korean. J. Chem. Eng.*, 16(2), 187-192, Mar.1999.
5. Badalyan A, **Wilkinson G.T.** and Chun B-S, "Extraction of Australian Ginger Root with Carbon Dioxide and Ethanol Entrainer.", *J. Supercrit. Fluids*, Vol. 13, Nos. 1-3, pp 319-324, 1998.
6. Chun B-S, Lee H-G, Cheon J-K and **Wilkinson G.T.**, "Mass Transfer in a Countercurrent Spray Column at Supercritical Conditions", *Korean J. Chem. Eng.* 13, No 3, pp 234-241, 1996.
7. Chun B-S and **Wilkinson G.T.**, "Interfacial Tension in High Pressure Carbon Dioxide Mixtures", *Ind. Eng. Chem. Res.*, Vol. 34, No. 12, pp 4371-7, Dec. 1995.
8. Chun B-S, Yang J-Y and **Wilkinson G.T.**, "Mass Transfer for Alcohol Recovery in a Countercurrent Extraction Column Using Supercritical CO₂", *Foods and Biotechnology*, Vol. 4, No 3, pp 174-178, 1995.
9. Hewitt D., Mulcahy D.E., Ralston J and **Wilkinson G.T.**, "Rapid Particle Sizing by Photosedimentometry", *Meas. Sci. Tech.*, Vol. 2, pp 271-275, 1991.
10. Koopal L.K., **Wilkinson G.T.** and Ralston J., "Adsorption of Interacting Long Chain Surfactant Molecules at an Interface", *J. Coll. and Interface Sci.*, Vol. 126, No. 2, pp 493-507, Dec. 1988.
11. **Wilkinson G.T.** and Norman J.R., "Heat Transfer to a Suspension of Solids in a Gas", *Trans. Inst. Chem. Eng.*, Vol. 45, T315, 1967.

Refereed Conference Papers

12. Chun B.S., Park S.Y., **Wilkinson G.T.** and Pendleton P.; "Mass Transfer of Lysozyme with Reverse Micelles under High-Pressure Carbon Dioxide", *Chemeca 2003 conf, IEAust/ICHEME/RACI, Adelaide 28 Sep - 1 Oct 2003.* (Submitted).
13. Byung-Soo Chun, Hyung-Seob Roh and Gordon T. Wilkinson and Phillip Pendleton; "Removal of Off-flavors from Tuna Fish Oil with Supercritical CO₂", *BioChe 2003 conf., Brisbane, 30 Jul-2 Aug 2003.* (Submitted)
14. Park S.Y., Chun B.S., Kang K.Y. and Wilkinson G.T.; "Extraction of Hen Egg Lysozyme Using Reversed Micelles and Pressurized CO₂ Phase", *BioChe 2003 conf., Brisbane, 30 Jul-2 Aug 2003.* (Submitted)
15. Byung-Soo Chun, Kil-Yoon Kang, Sun-Young Park, **Gordon T. Wilkinson** and Phillip Pendleton; "Effect of Reaction Conditions on Amino Acid Production from Wastes Derived from Fish using Sub- and Super-critical Water", *BioChe 2003, Conf. Brisbane, 30 Jul-2 Aug 2003.* (Submitted)
16. Lee S. J., Chun B. S., **Wilkinson G. T.**, Weber A.; "Recovery of Volatile Essential Oils from Citron (*Citrus junos*) Peel with Supercritical Carbon Dioxide", Paper E10. *ISASF, 8th Meeting on Supercritical Fluids, Chemical Reactivity and Material Processing in Supercritical Fluids*, 14 - 17 Apr 2002. Bordeaux, France.
17. Chun B. S., Kim Y. S., **Wilkinson G. T.**, "Supercritical Extraction of Aromatic Compounds from Apricot (*Prunus mume Sieb. et Zucc.*) with Modifier", *ISASF 6th Conf. on Supercritical Fluids and Their Applications*, Maiori, Italy, 9 - 12 Sept 2001.
18. Chun B. S., Lee S. J., Kim Y. S., **Wilkinson G. T.**, "Supercritical Carbon Dioxide Extraction of Aromatic Compounds from Apricot (*Prunus mume Sieb. et Zucc.*) with Modifier", *ISASF Conf., Antibes, France, 6 - 8 Dec 2000.*
19. Chun B. S., Lee S. J. and **Wilkinson G. T.**, "Debittering of Citron (*Citrus junos*) Juice and Aroma Extraction from Peel with Supercritical Carbon Dioxide", *ISASF Conf., Antibes, France, Dec 2000.*
20. Chun B. S., **Wilkinson G. T.**, "Drop Size and Hold-up in Countercurrent Extraction with Supercritical CO₂ in a Spray Column", *ISSF 2000, Atlanta, U.S., Apr 2000.*

21. Chun B. S., Yoon S. O. and **Wilkinson G. T.**, "Effect of Physical Properties on Mass Transfer during Protein Extraction with Reverse Micelles", APCChE 99, Seoul, Korea, Aug. 1999, 1089-1092, (Kor. Inst. Chem. Eng).
22. Chun B. S, Kang S.S and **Wilkinson G.T.**, "Supercritical Fluid extraction of Lipids and Cholesterol from Squid Viscera", 6th ISASF Conf. "Chemistry and Materials", Nottingham, England, pp 561-6, April 1999.
23. Chun B. S, Kim Y. W., Song S. K, Kim S. W. and **Wilkinson G.T.**; "Extraction and Fractionation of Lipids from Squid Internal Organs using Supercritical Carbon Dioxide with Entrainer", 5th ISASF Conf., Vol. 2, pp. 589-94, Nice, France, Mar. 1998.
24. Chun B-S, Kim Y. W. and **Wilkinson G.T.**; "Fatty Oil and Chondroitin Recovery from Edible Snails using Entrainer Enhanced Dense Phase Carbon Dioxide", 5th ISASF Conf., Vol. 2, pp. 595-600, Nice, France, Mar. 1998.
25. Badalyan A and **Wilkinson G.T.**, "Mass Transfer in the Extraction of Australian Ginger with SCO₂ containing Ethanol Co-solvent", Chemeca 97, IPENZ, Rotorua, NZ, Oct. 1997.
26. Badalyan A, **Wilkinson G.T.** and Chun B-S, "Extraction of Australian Ginger Root with Super- and Near- critical CO₂ Containing Ethanol Entrainer.", 4th ISASF Conf., Sendai, Japan, May 1997.
27. Chun B-S, Lee H-G, Han J-H, **Wilkinson G.T.**, "Fatty Oil and Tocopherol Extraction from Korean Garlic using Supercritical Carbon Dioxide", 4th ISASF Conf., Sendai, Japan, May 1997.
28. Chun B-S, Le-Huy C. and **Wilkinson G.T.**, "Surface Energies of High Pressure Carbon Dioxide-Aqueous Alcohol Systems", ISEC 96, Vol. 1, p 487-491, Int. Solvent Ext. Conf., Melbourne, 1996.
29. Chun B-S, Le-Huy C. and **Wilkinson G.T.**, "Interfacial Tension and Ternary Phase Equilibria in High Pressure Iso-Propanol+Carbon Dioxide+Water Systems", Chemeca 95, IEAust., Adelaide, Sep. 1995.
30. O'Neill B.K., Pearce V.L, and **Wilkinson G.T.**, "Bucket Chemistry: - Experiences of the Inaugural Competition", Chemeca 95, IEAust., Adelaide, Sep. 1995.
31. Kluba R.M. and **Wilkinson G.T.**, "Design, Operation and Performance of a Pilot Scale Liquid Carbon Dioxide Extraction and Fractionation Plant.", Chemeca 95, IEAust., Adelaide, Sep. 1995.
32. Chun B-S and **Wilkinson G.T.**, "Interfacial Tension in High Pressure Carbon Dioxide Mixtures", 3rd ISASF Conf., Strasbourg, France, Oct. 1994.
33. Cieslinski B.G., **Wilkinson G.T.**, Kluba R.M. and Hornby S., "Optimal Conditions for the Separation of Essential Oils from Liquid Carbon Dioxide Extracts of Coriander Seed", 3rd ISASF Conf., Strasbourg, France, Oct. 1994.
34. Catchpole O.J., Andrews E.W., Toikka G.N, and **Wilkinson G.T.**, "Mathematical Models for the Extraction of Oils from Plant Matrices Using a Near-Critical Solvent", 3rd ISASF Conf., Strasbourg, Oct. 1994.
35. Davies C.E., Grey J., Tallon S. and **Wilkinson G.T.**, "The Slot Flowmeter: A New Device for Continuous On-Line Measurement of the Flow Rate of Bulk Solids". Symp. Powder Tech.: AIChE, Baltimore, Aug. 1994.
36. Chun B-S and **Wilkinson G.T.**, "Mass Transfer in a Countercurrent Supercritical Fluid Extraction Column", 5th Aust. Heat and Mass Transfer Conf., IEAust., Brisbane, Dec. 1993.
37. Chun B-S and **Wilkinson G.T.**, "Mass Transfer in a Spray Column at Supercritical Conditions", Chemeca 93, IEAust., Melbourne, Sep. 1993.
38. Engelbert van Bevervoorde B.D., Bolk J.W. and **Wilkinson G.T.**, "Mass Transfer in Dense Phase Extraction of Solids", Chemeca 92, IEAust, P 103, Canberra, Sep. 1992.
39. Magashi A.N., **Wilkinson G.T.** and Casimir D, "Flavour Enhancement of Light Wines with Liquid Carbon Dioxide Extracts", Chemeca 90, IPENZ, Auckland, Aug. 1990.
40. **Wilkinson G.T.**, Magashi A.N. and Casimir D., "Dense Phase Extraction of Volatile Food Flavours", APCChE 5th Congress., IEM., Kuala Lumpur, Jul. 1990.
41. **Wilkinson G.T.** and Foster N.R., "The Extraction of Alcohol from Wine with Near-Critical Carbon Dioxide", Chemeca 87, IEAust., Vo12, p 92.1, Melbourne, Aug. 1987.
42. Reynolds G.D., Hewitt D.J., **Wilkinson G.T.**, and Goldberg R.I., "Extraction, Characterisation and Processing of Hydrocarbons Extracted from *Asclepias Rotundifolia* and *Asclepias Fruticosa*", Chemeca 86, IEAust., p.453, Adelaide, Aug. 1986.
43. **Wilkinson G.T.**, Tsang B.K-H. and Hoffman T.W., "Flow Reversal in Turbulent Mixed Convection". 7th. Int. Heat Transfer Conf., Munich, Sep. 1982.

44. Andrews S., Reynolds G.D., Underdown R.E., Watts R.S. and **Wilkinson G.T.**, "Liquid Fuels from Hydrocarbon Producing Plants", Chemeca 91, IPENZ., Christchurch, NZ, p.607, Aug. 1981.
45. **Wilkinson G.T.**, "Velocity Profiles in Pneumatic Transport", 2nd Nat. Chem. Eng. Conf, IEAust., Surfers Paradise, Jul. 1974.

Monographs and Book Chapters

46. **Wilkinson G.T.** "Water (Overview)" and "Water - Properties", in "International Encyclopaedia of Heat and Mass Transfer", Hewitt G. F., Shires G. L. and Polezhaev Y. V. (eds.), CRC Press, 1997.
47. **Wilkinson G.T.**, O'Neill B.K. and Pearce V.L. "Bucket Chemistry", Australian Chemistry Resource Book, RACI, Vol. 14, p 161, 1995.
48. **Wilkinson G.T.** (ed.), "Essential Oil From Coriander Seed", Monograph, ISBN O 86803 077 5, UniSA, Sep. 1993.

Invited Papers

49. Chun B. S. and **Wilkinson G. T.** , "Supercritical Fluid Applications to Marine Organisms", presented at the 7th International Symposium on the Efficient Application and Preservation of Marine Biological Resources, Tokyo University of Fisheries, 28-30 Sept, 2001.
50. **Wilkinson G.T.** "Modelling Phase Equilibria and Mass Transfer Processes", Tohoku University, Japan, Oct 1998.
51. **Wilkinson G.T.** "Binary Phase Equilibria with Equations of State - Glycidol Butyrate and Butyric Acid in CO₂", Kyushu University, Japan, Sept 1998.
52. **Wilkinson G.T.**, "A Magic Carpet Ride - Differences in Tertiary Education Between Korea and Australia.", The Pukyong Herald, Vol XI, No. 59, Dec 7, p.13, 1996, Pusan, Korea.
53. **Wilkinson G.T.**, "MSDS in Australia - Practice, Preparation, Problems", Seminar, Korean Soc. Occ. Health and Safety, Ulsan, Korea, Nov. 1996.
54. **Wilkinson G.T.**, "Supercritical Fluid Extraction in Essential Oil Recovery", Seminar "Advances in SFE in the Food Industries", Food Res. Inst., Werribee, Jun. 1993.
55. **Wilkinson G.T.** "Supercritical Fluid Purification and Refining of Essential Oils", Seminar "Advances in SFE in the Food Industries", Food Res. Inst., Werribee, Jun. 1993.
56. **Wilkinson G.T.**, "Reduced Alcohol Wines Using Liquid Carbon Dioxide", Symp. "Supercritical Fluid Extraction Processes", UNSW, Sydney, Feb. 1987.

Scientific Reports, Articles, non-refereed Conference Papers

57. **Wilkinson G.T.** "Modelling of Supercritical Fluid Extraction Processes", Report AAS-JSPS, Nov 1998.
58. **Wilkinson G.T.** "Essential Oils Extraction using Supercritical Fluids", JCEC, Adelaide, Feb. 1998.
59. **Wilkinson G.T.**, "Compatibility of LPG and CNG in Petrol and Diesel Engines in Terms of their Physico-Chemical Properties", Occasional Papers in Chemical Technology, No 9, May 1988.
60. **Wilkinson G.T.**, Hewitt D.J., Kim H.I, and Steven A., "Infra-red Characteristics of Hot Gas Plumes Containing Alumina", Dept. Sci. and Tech., Research. Rep. DST 431/3/31, Apr. 1986.
61. **Wilkinson G.T.**, "Handling and Transport of Dangerous Materials", Chemical Engineering in Australia, ChE7, No.3, p.17-19, Sep. 1982.
62. **Wilkinson G.T.**, "Molal Specific Heat, Enthalpy, and Entropy", HP9100B Program Catalogue, Hewlett Packard, Calculator Product Division, Mar. 1973.
63. **Wilkinson G.T.**, and Norman J.R., "Thermal Transport in Gas-Solids Suspensions", Australian Chemical Engineering, p.9, Jul. 1965.
64. **Wilkinson G.T.**, "Heat Transfer to Flowing Solids-in-Gas Suspensions", 1st AINSE Conf. Heat Transfer and Fluid Flow, Lucas Heights., Aug. 1963.

Selected Consultant Appointments and Reports (since 1980)

1. **Wilkinson G. T.** "Sulphuric Acid Plume", UniSA, Jul 2001-Mar 2002.
2. **Wilkinson G. T.** "Effluent System Aeration", Itek, Aug 2001.
3. **Wilkinson G. T.** "SFX Pilot Plant-Commissioning", Itek, Nov 2000-Feb. 2001.

4. **Wilkinson G. T.** "Fire Report", July 2000
5. **Wilkinson G.T.** and Badalyan A. "Foam Fire Extinguishant Tests", Itek, Aug. 1998.
6. **Wilkinson G.T.** and Pinder A. "Heat Transfer in a Jacketed Mixing Vessel", Techsearch, Aug. 1996.
7. **Wilkinson G.T.**, Pinder A and Verbeeten J. "Heat Transfer in Dimple Plate Jacketed Tanks", Techsearch. 1996-9.
8. **Wilkinson G.T.** and Maerschel R. "Dehydration of Dioxan", Techsearch, Jul. 1996.
9. **Wilkinson G.T.** "Rose Hip Oil Extraction and Analysis" 1994-6.
10. **Wilkinson G.T.** "Sandalwood Oil Extraction", Nov. 1995.
11. **Wilkinson G.T.** "Fire Investigation", Techsearch, Oct. 1995-.
12. **Wilkinson G.T.** "Opinion on Fuel Oil/Diesel Fuel", Techsearch Inc., Nov. 1993-Nov. 1995.
13. **Wilkinson G.T.** "Explosion Report", Techsearch Inc., May 1993.
14. Kluba R.M. and **Wilkinson G.T.**, "Effluent System Aeration", Techsearch Inc., No. 3704/3, 3704/5, May, Aug. 1993.
15. **Wilkinson G.T.**, "Scour Liquor Heaters", Techsearch Inc., No. 2762, Oct. 1991.
16. **Wilkinson G.T.**, "Fire Claim", Techsearch Inc., No. 2704, Apr. 1991.
17. **Wilkinson G.T.**, "Mintaro Mews Explosion", Techsearch Inc., No. 2490, Feb. 1991.
18. **Wilkinson G.T.**, "Solar Pool Blanket", Techsearch Inc., R88/316, Jun. 1989.
19. **Wilkinson G.T.**, "Malt Extraction Process", Techsearch Inc., R88/130, R88/99, Jun. 1988-89.
20. **Wilkinson G.T.**, "Fire Investigation", Techsearch Inc., R88/180, Jun. 1988.
21. **Wilkinson G.T.**, "Fire Investigation Report", Techsearch Inc., R88/41, May 1988.
22. **Wilkinson G.T.** "Sunlight Fade Tests", Techsearch Inc., R87/363, Oct. 1987.
23. **Wilkinson G.T.** and Karakferis M., "Process Design of a Polymer Manufacturing Plant", Techsearch Inc., R87/276, Sep. 1987.
24. **Wilkinson G.T.** "Metallurgical Process Problem", Techsearch Inc., R87/281, Aug. 1987.
25. **Wilkinson G.T.** "Design of a Plant for the Production of Modified Silicone Oils". Techsearch Inc., Jul. 1987.
26. Crookes D. and **Wilkinson G.T.**, "Report on the Cause of Fire" Techsearch Inc., R86/65, Jul. 1986.
27. **Wilkinson G.T.** and Hewitt D.J. "Fire Investigation". Techsearch Inc. R86/34 Apr. 1986, R87/231, Jun. 1987.
28. **Wilkinson G.T.** "Heat Pump Desalinator". Techsearch Inc. R84/1 13. May 1984. "Waste Heat Desalinator". Aug. 1984.
29. **Wilkinson G.T.** "Blast Furnace and Coke Ovens, Gas Monitoring Equipment Evaluation". Techsearch Inc. R85/128. Oct. 1985.
30. **Wilkinson G.T.**, Coxon M.T, and Higgess G.J. "Glen Osmond Fire Investigation". Techsearch Inc. R84/52. May 1984, Mar. 1985.
31. **Wilkinson G.T.** and Davey D.E. "Potash Recovery From Cement Kiln Dust". Techsearch Inc. R83/220. Feb. 1984.
32. **Wilkinson G.T.** and Thompson M.T. "Waste Paper Recycling and Utilisation". Nov. 1982.
33. **Wilkinson G.T.** and Mosel J. "Condensation Heat Transfer Coefficients - Profiled Tubes". Techsearch Inc. R81/116. Jan 1982.
34. **Wilkinson G.T.** "Methane Refrigeration Cycle Calculations". Techsearch Inc. R81/113,129, 164. Jul. Oct. 1981.
35. **Wilkinson G.T.** "Autoclave Calculations - Sodium Lithium Silicate Manufacture". Techsearch Inc. 81/99. Jun. 1981.
36. Kelly R.J, and **Wilkinson G.T.** "Vacuum Distillation Unit: Technical Assessment". Techsearch Inc. R81/45. Apr. 1981.
37. **Wilkinson G.T.**, Mulcahy D.E. and Chirmuley D.C. "Treatment and Reuse of Potato Processing Waste". Techsearch Inc. R81/10. May 1981.
38. **Wilkinson G.T.** "Drying of Tartar Slurry". Techsearch Inc. R80/137 Nov. 1980.
39. **Wilkinson G.T.** "Tartrate Recovery and Recycle Process". Techsearch Inc. R80/52, Jun., Sept. 1980.